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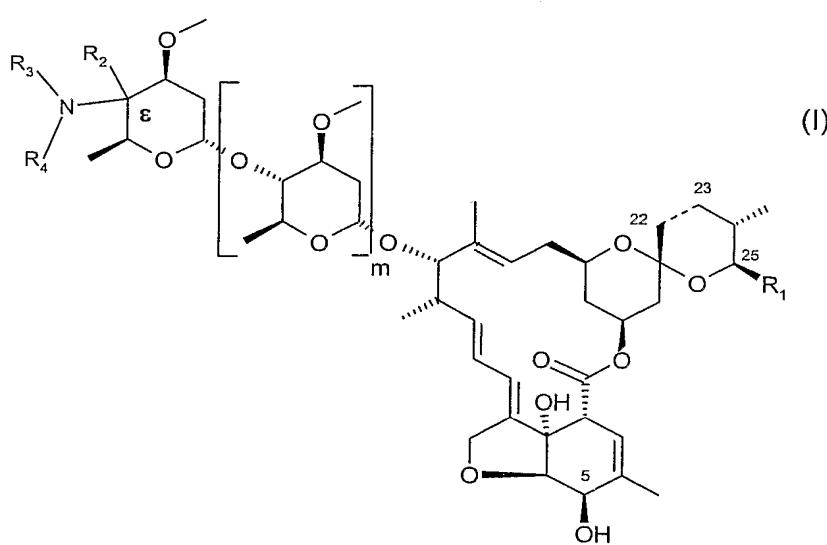
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(54) Title: AVERMECTIN AND AVERMECTIN MONOSACCHARIDE SUBSTITUTED IN THE 4"- AND 4'- POSITION RESPECTIVELY



(57) Abstract: A compound of the formula (I) wherein the bond between carbon atoms 22 and 23 indicated with a broken line is a single or double bond, m is 0 or 1, R₁ represents a C₁-C₁₂alkyl, C₃-C₈cycloalkyl or C₂-C₁₂alkenyl group, R₂ represents a hydrocarbyl group or a substituted hydrocarbyl group, and R₃ and R₄ represent, independently of each other, hydrogen or a chemical constituent, or either R₂ and R₃ together or R₃ and R₄ together represent a three- to seven-membered alkylene or a four- to seven-membered alkenylene bridge, for each of which at least one, preferably a CH₂ group may be replaced by O, S or NR₆ where R₆ represents hydrogen or a hydrocarbyl group or a substituted hydrocarbyl group; or, if appropriate, an E/Z isomer and/or tautomer of the compound of formula

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(I), in each case in free form or in salt form.



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.